

## CLAIMS:

1. A method of scheduling a first task comprising the following steps:
  - a first step of starting the first task to run during a period,
  - a second step of detecting that the first task blocks during the period,characterized in that the method further comprises:
  - 5 a third step of preventing that the first task resumes running during the period.
2. The method of scheduling a first task according to claim 1, wherein the second step is based upon context switch information.
- 10 3. The method of scheduling a first task according to claim 2, wherein the second step of detecting that the first task blocks during the period comprises:
  - a first sub-step of detecting that the first task is suspended and that a second task is allowed to start running;and wherein the context switch information comprises:
  - 15 a second priority of the second task that is lower than a first priority of the first task, and
  - a remaining budget of the first task that is substantially equal to an assigned budget for the period minus a consumed budget during the period.
- 20 4. The method of scheduling a first task according to claim 3, wherein the remaining budget is withdrawn from the first task during the period.
5. A system for scheduling a first task (400) comprising:
  - 25 running means (408) conceived to run the first task during a period,
  - detection means (412) conceived to detect a blocking status of the first taskcharacterized in that the system further comprises:
  - 30 preventing means (414) conceived to prevent that the first task resumes running during the period.

6. A system for scheduling a first task according to claim 5, wherein the detection means (412) is further conceived to operate on the basis of:

a first priority of the first task that is suspended,

a second priority of a second task that is resumed that is lower than the first

5 priority of the first task,

a remaining budget of the first task that is substantially equal to an assigned budget for the period minus a consumed budget during the period.

7. A computer program product arranged to perform the method according to any

10 of the claims 1 to 4.

8. A storage device (420) comprising a computer program product according to  
claim 7.

15 9. A television set (510) comprising a system according to claim 5 or 6.

10. A set-top box (602) comprising a system according to claim 5 or 6.